

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,873,643 B2
APPLICATION NO. : 09/843520
DATED : March 29, 2005
INVENTOR(S) : Donald L. Schilling

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Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete the title page and substitute therefor the attached title page.

At Item (56), page 1, right column, Foreign Patent Documents, line 8, delete
"EP 0392079 10/1990".

At Item (56), page 1, right column, Foreign Patent Documents, line 14, delete
"WO 9107037 5/1991".

At Item (56), page 1, right column, Foreign Patent Documents, line 16, delete
"WO 9115071 10/1991".

At Item (56), page 2, right column, Other Publications, line 53, after the words
"and Porter, P.T.", delete "AAdvanced" and insert therefor --"Advanced--.

At Item (56), page 2, right column, Other Publications, line 54, after the words
"Service: Control", delete "Architecture@" and insert therefor --Architecture"--.

At Item (56), page 2, right column, Other Publications, line 56, after the words
"Robert A.", delete "The" and insert therefor --"The--.

At Item (56), page 2, right column, Other Publications, line 57, before the
words ",IEEE Transactions", delete "munications@," and insert therefor
--munications",--

At Item (56), page 3, left column, Other Publications, line 1, after the words
"Blasbalg, H.", delete "A" and insert therefor --"A--.

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At Item (56), page 3, left column, Other Publications, line 3, before the words
"IBM Journal", delete "cations,@" and insert therefor --cations"--

At Item (56), page 3, left column, Other Publications, line 5, after the words
"Salmasi; et al.", delete "On" and insert therefor --"On--.

At Item (56), page 3, left column, Other Publications, line 7, after the word
"Communication", delete "Networks" and insert therefor --Networks"--.

At Item (56), page 3, right column, Other Publications, line 1, after the words
"M.B. Pursley,", delete "Performance" and insert therefor --"Performance--.

At Item (56), page 3, right column, Other Publications, line 3, after the word
"System", delete "Analysis@" and insert therefor --Analysis"--.

At Item (56), page 3, right column, Other Publications, line 5, after the words
"J.M. Holtzman,", delete "A" and insert therefor --"A--.

At Item (56), page 3, right column, Other Publications, line 6, after the word
"Error", delete "Probabilities@" and insert therefor --Probabilities"--.

At Item (56), page 3, right column, Other Publications, line 9, after the words
"R.F.,", delete "Power" and insert therefor --"Power--.

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At Item (56), page 3, right column, Other Publications, line 10, delete
"Systems,@" and insert therefor --Systems"--.

At column 1, line 25, before the word "in", delete "nal" and insert therefor
--nals--.

At column 3, line 15, after the word "larger", delete "a".

At column 4, line 37, after the word "can", delete "adjusts" and insert therefor
--adjust--.

At column 4, line 63, after the word "generator", delete "202" and insert
therefor --113--.

At column 4, line 63, after the word "device", delete "201" and insert therefor
--115--.

At column 6, line 66, after the words "from the", delete "kit" and insert therefor
--kth--.

At column 8, line 3, after the word "circuit", delete "61" and insert therefor
--261--.

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Page 4 of 1

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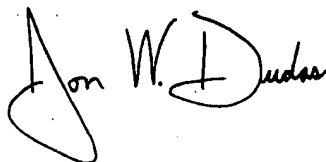
At column 11, line 15, after the word "9 dB", delete "fades" and insert therefor
--fade--.

IN THE DRAWINGS

Please replace Figures 1 and 2 with replacement Figures 1 and 2 attached
hereto.

Signed and Sealed this

Fifth Day of February, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office



US006873643B2

(12) **United States Patent**
Schilling

(10) Patent No.: **US 6,873,643 B2**
(45) Date of Patent: ***Mar. 29, 2005**

(54) **SPREAD SPECTRUM ADAPTIVE POWER CONTROL COMMUNICATIONS SYSTEM AND METHOD**

(75) Inventor: **Donald L. Schilling**, Sands Point, NY (US)

(73) Assignee: **InterDigital Technology Corporation**, Wilmington, DE (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 728 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **09/843,520**

(22) Filed: **Apr. 27, 2001**

(65) **Prior Publication Data**

US 2002/0012382 A1 Jan. 31, 2002

(Under 37 CFR 1.47)

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/167,388, filed on Oct. 6, 1998, now Pat. No. 6,226,316, which is a continuation of application No. 08/666,069, filed on Jun. 21, 1996, now abandoned, which is a continuation of application No. 08/218,198, filed on Mar. 28, 1994, now Pat. No. 5,535,238, which is a continuation-in-part of application No. 07/792,869, filed on Nov. 19, 1991, now Pat. No. 5,299,226, which is a continuation-in-part of application No. 07/614,816, filed on Nov. 16, 1990, now Pat. No. 5,093,840.

(51) Int. Cl.⁷ **H04B 1/69**

(52) U.S. Cl. **375/130; 375/141; 455/522**

(58) Field of Search **375/130, 142, 375/138, 141, 146; 455/13.4, 522**

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,831,013 A	8/1974	Alsup et al.
3,838,342 A	9/1974	Bjorkman
3,900,721 A	8/1975	Speiser et al.

(Continued)

FOREIGN PATENT DOCUMENTS

EP	0265178	4/1988
EP	0392079	10/1990
EP	0392079 A2	10/1990
GB	2229609	9/1990
WO	8600486	1/1986
WO	86/00486	1/1991
WO	91/07037	5/1991
WO	9107037	5/1991
WO	91/15071	10/1991
WO	9115071	10/1991

OTHER PUBLICATIONS

Fuhr, Z.C. and Porter, P.T., "Advanced Mobile Phone Service: Control Architecture", The Bell system Technical Journal (Jan. 1979), vol. 58, No. 1, pp. 43-69.

(Continued)

Primary Examiner—Temesghen Ghebretinsae

(74) Attorney, Agent, or Firm—Volpe and Koenig, P.C.

(57) **ABSTRACT**

A spread spectrum communication system has a mobile station and a base station. The base station transmits a spread spectrum signal and a threshold. The mobile station receives the spread spectrum signal and the threshold. A received power level of the received spread spectrum signal is measured. The received power level is compared to the threshold. The mobile station's transmission level is adjusted based on in part a result of the comparison.

20 Claims, 14 Drawing Sheets

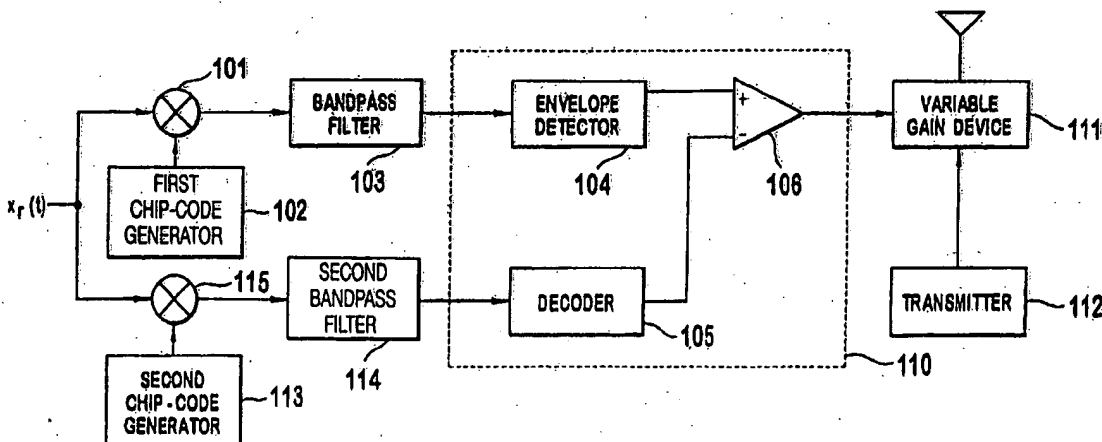


FIG. 1

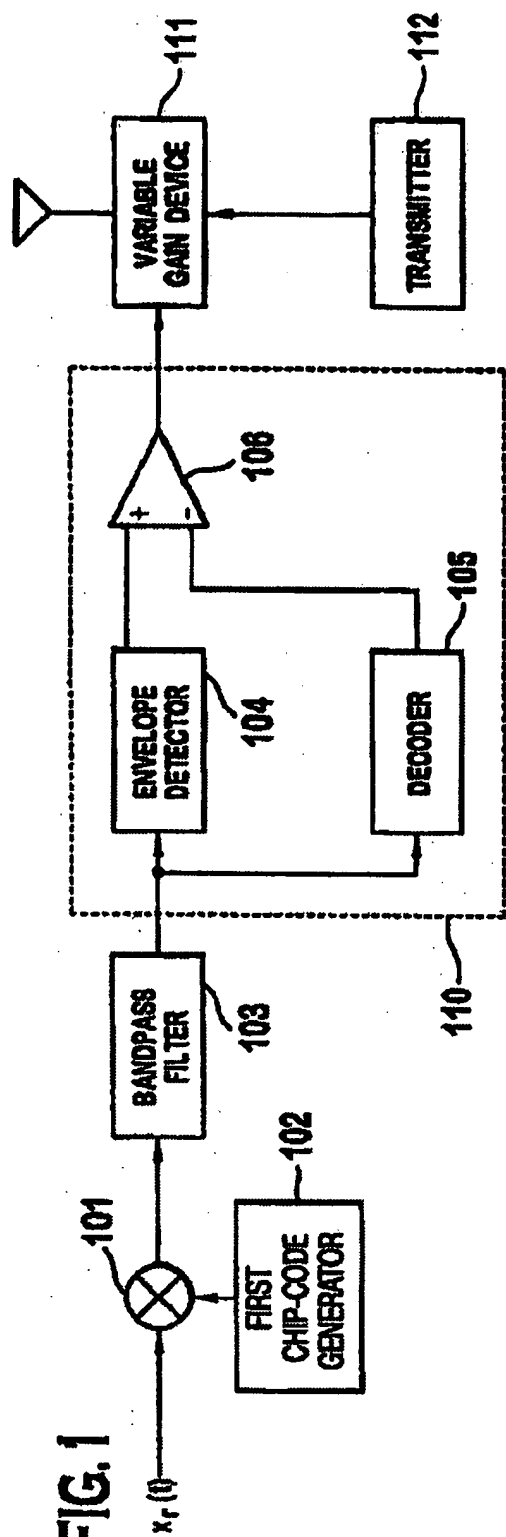


FIG. 2

